

Small Sat Analysis Laboratory, Phase II

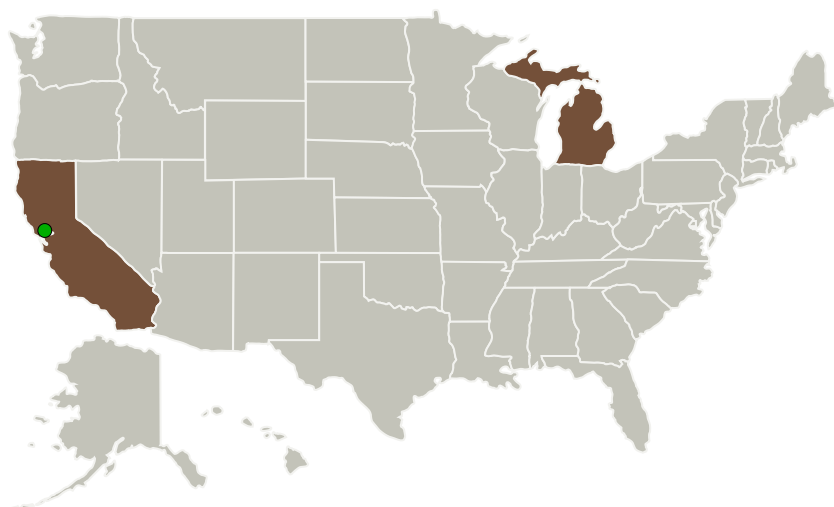
Completed Technology Project (2010 - 2012)



Project Introduction

Develop Small Satellite Analysis Laboratory (SatLab): A simulation-of-simulations framework to integrate component and engineering simulations into a single larger simulation capable of full satellite system trade analysis and optimization, in order to reduce the cost and increase the quality of design and development of new small satellites and space vehicles, and test system upgrades and modifications on other space systems.

Primary U.S. Work Locations and Key Partners



Organizations Performing Work	Role	Type	Location
● Ames Research Center(ARC)	Supporting Organization	NASA Center	Moffett Field, California

Primary U.S. Work Locations	
California	Michigan

Project Transitions

▶ **February 2010:** Project Start



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Organizational Responsibility

Responsible Mission Directorate:

Space Technology Mission Directorate (STMD)

Responsible Program:

Small Business Innovation Research/Small Business Tech Transfer

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May 2012: Closed out

Closeout Documentation:

- Final Summary Chart(<https://techport.nasa.gov/file/139465>)

Project Management

Program Director:

Jason L Kessler

Program Manager:

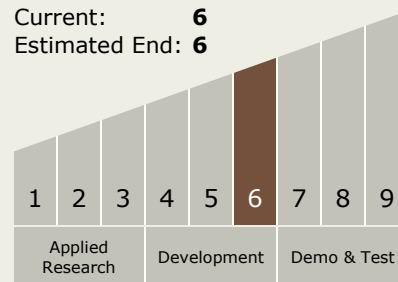
Carlos Torrez

Principal Investigator:

Charles Jacobus

Technology Maturity (TRL)

Start: **6**
Current: **6**
Estimated End: **6**



Technology Areas

Primary:

- TX09 Entry, Descent, and Landing
 - TX09.4 Vehicle Systems
 - TX09.4.3 System Integration and Analysis for EDL

Target Destinations

The Sun, Earth, The Moon, Mars, Others Inside the Solar System, Outside the Solar System